

ABSTRACT

5 A beam scale for measurement of body weight and height according to the present invention includes a frame and a weighing mechanism. The frame includes a base assembly, a pillar assembly, and a horn assembly. The weighing mechanism is housed within the frame and includes a beam, weights, and a lever assembly. The horn assembly may include a transparent holding bracket having a level indicator. The scale may include a height measurement assembly having a height rod, a sheath supported by the horn assembly and the pillar assembly, a measuring arm, and a transparent height-measuring window having a line indicator. The frame may include a quick assembly mechanism to secure the pillar assembly to the base assembly during final assembly, quiet wheels for transport, and/or handle bars to support the user. Much of the frame may be made of pigmented thermoplastic or thermoset materials to reduce manufacturing costs and scale weight.

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